

Date: Wed, 20 Oct 93 23:34:50 PDT
From: Info-Hams Mailing List and Newsgroup <info-hams@ucsd.edu>
Errors-To: Info-Hams-Errors@UCSD.Edu
Reply-To: Info-Hams@UCSD.Edu
Precedence: Bulk
Subject: Info-Hams Digest V93 #1249
To: Info-Hams

Info-Hams Digest Wed, 20 Oct 93 Volume 93 : Issue 1249

Today's Topics:

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 W2IOL DX data now at ftp.cs.buffalo

Send Replies or notes for publication to: <Info-Hams@UCSD.Edu>
Send subscription requests to: <Info-Hams-REQUEST@UCSD.Edu>
Problems you can't solve otherwise to brian@ucsd.edu.

Archives of past issues of the Info-Hams Digest are available
(by FTP only) from UCSD.Edu in directory "mailarchives/info-hams".

We trust that readers are intelligent enough to realize that all text
herein consists of personal comments and does not represent the official
policies or positions of any party. Your mileage may vary. So there.

Date: 21 Oct 93 03:24:25 GMT
From: news-mail-gateway@ucsd.edu
Subject: "Vanity" Call Signs
To: info-hams@ucsd.edu

Did anyone pick up on the fact that the House and Senate
approved legislation that authorized the FCC to issue
"unique" ham call signs at a cost of seven bucks per
year to the ham radio community? Apparently it was contained
in the Presidential budget plan and even caught the Commission

off guard..

ARRL, want to comment on this?

Date: Wed, 20 Oct 1993 21:49:37 GMT
From: news.Hawaii.Edu!kahuna!jeffrey@ames.arpa
Subject: 10 meter beacon
To: info-hams@ucsd.edu

Could any member of the Northern California DX Club please email me
(in regard to the construction and coordination of a 10M beacon).
Thanks so much!

Jeff NH6IL

Date: Wed, 20 Oct 1993 21:50:37 GMT
From: spsgate!mogate!newsgate!news@uunet.uu.net
Subject: A New Net for Antenna Tuners
To: info-hams@ucsd.edu

In article <CF7pED.3y0@The-Star.honeywell.com> dphillips@ws07.iac.honeywell.com
(Dave Phillips) writes:

> ...

> All that is achieved with a tuner is to match the radio to the tuner. The
antenna is still not resonant at the desired frequency, thus the maximum output
power of your spiffy radio is wasted in your perfectly matched tuner.

> ...

Oh boy! This should start an interesting and lengthy thread. Tell me you don't
really believe this and that you're just pulling our chains. Oh well...I guess
this will be better than arguing about sexual preferences.

73.. . Mark AA7TA

Date: Wed, 20 Oct 1993 21:23:37 GMT
From: swrinde!cs.utexas.edu!usc!sol.ctr.columbia.edu!hamblin.math.byu.edu!wicat!
keithm@network.ucsd.edu
Subject: ARESPACK emergency communications terminal program
To: info-hams@ucsd.edu

ARESPACK Ver 3.0, a specialized packet radio terminal program designed
especially for emergency communications is now available via
anonymous FTP.

I have posted the program to BYUGATE.CS.BYU.EDU in the ARES/
directory.

This program is fast becoming the standard for packet emergency
communications in the state of Utah, and we hope that it will
spread to other areas.

For those without FTP access, you may e-mail me and I will try
to send you a copy via e-mail.

--

Keith McQueen, Wicat Systems Inc. , (801)223-3284	My opinions are
Packet: n7hmf @ nv7v.UT.USA.NA	all mine...
Internet: keithm@wicat.com	...so there!

Date: Wed, 20 Oct 1993 15:35:15 GMT
From: fluke!rem@beaver.cs.washington.edu
Subject: Coaxial cable trap for my HF 80-40 meters dipole
To: info-hams@ucsd.edu

In article <CF3oyq.n4D@ireq.hydro.qc.ca> vaillan@ireq.hydro.qc.ca writes:
>Coaxial cable trap for my HF 80-40 meters dipole.

>

>I would like to build the traps shown in the 16th edition of
>the ARRL Antenna Book on page 7-9.

>

>For the construction, they give the reference to an article in
>QST Dec 84 page 37 by N4UU. I don't have this QST.

>

>If you have this QST, can you post here the dimensions
>and the number of turns to make a 7.1 Mhz trap. I would
>like to use a core of plastic pipe 2" O.D.

>

>Any other details or suggestions are welcome. If you have made them,
>how do you like them?

>

I have the article in front of me and according to the graph for the
7.15 MHz trap 2" OD is off the graph beyond the optimum turns to length
point. They recommend working between the "square" coil point and the
optimum point. That is 1.21 inch diameter to 1.83 inch diameter.

At very close to the optimum point I see 1.8 inch diameter with 9 turns of

RG-174/U cable 51.7 inches long for 7.15 MHz.

For reference some other points on the 7.15 MHz graph are:

1.7 in diameter and 9 turns and 51.75 in length of coax
1.6 in diameter and 9.5 turns and 51.9 in length
1.5 in diameter and 10 turns and 52. 1 in length
1.4 in diameter and 11 turns and 52.45 in length
1.3 in diameter and 11.8 turns and 52.85 in length

If you need more information I'll be happy to FAX or mail a copy of the article to you.

Randy
AJ7B

Date: Wed, 20 Oct 1993 21:55:14 GMT
From: mulvey!rich@uunet.uu.net
Subject: Computer Interference
To: info-hams@ucsd.edu

fsrla@aurora.alaska.edu wrote:
: Hello!!!!

: I sI seem to have a bit og
: Sorry if this looks wierd, my computer is going nuts.....
: ANYWAY.....my computer (aside from hating modems...) seems
: to be causing CONSIDERABLE interference to my 2M transceiver.
: Its (the radio *GRIN*) an d OLD Kenwood TR-7400A, and unfortunately
: the only place I can put it is right next to my computer, a Mac LCII.
: Can anyone suggest some way of getting rid of this problem????
: (that doesn't involve me shooting the computer and/or the radio??)
: Thanks for your help (eeeerrrr...there's no way to delete on this
: thing!!! GRRRR)d

Well, do you have an external antenna? If not, getting one will more likely than not eliminate 90% of your problem. Using a xcvr with a rubber resistor is nothing more than an exercise in masochism. :-)

To help get rid of more RFI, try using ferrite beads on all of your computer's cables (mouse, keyboard, external drives, power, etc.) They usually make wonderful antennas. :-)

- Rich

--

Rich Mulvey
rich@mulvey.com

Amateur Radio: N2VDS
"Ignorance should be painful."

Rochester, NY

Date: 21 Oct 93 05:42:41 GMT
From: news-mail-gateway@ucsd.edu
Subject: Daily Solar Geophysical Data Broadcast for 20 October
To: info-hams@ucsd.edu

!!BEGIN!! (1.0) S.T.D. Solar Geophysical Data Broadcast for DAY 293, 10/20/93
10.7 FLUX=094.4 90-AVG=095 SSN=082 BKI=0121 1211 BAI=003
BGND-XRAY=B1.1 FLU1=3.5E+05 FLU10=1.2E+04 PKI=2121 1222 PAI=005
BOU-DEV=004,009,016,005,006,010,006,006 DEV-AVG=007 NT SWF=00:000
XRAY-MAX= C7.8 @ 1002UT XRAY-MIN= B1.0 @ 1845UT XRAY-AVG= B3.2
NEUTN-MAX= +004% @ 0010UT NEUTN-MIN= -001% @ 1635UT NEUTN-AVG= +0.6%
PCA-MAX= +0.1DB @ 1535UT PCA-MIN= -0.6DB @ 2020UT PCA-AVG= -0.0DB
BOUTF-MAX=55363NT @ 1424UT BOUTF-MIN=55342NT @ 1718UT BOUTF-AVG=55355NT
GOES7-MAX=P:+000NT@ 0000UT GOES7-MIN=N:+000NT@ 0000UT G7-AVG=+069,+000,+000
GOES6-MAX=P:+120NT@ 1610UT GOES6-MIN=N:-056NT@ 1326UT G6-AVG=+089,+013,-033
FLUXFCST=STD:095,090,095;SESC:095,090,095 BAI/PAI-FCST=010,015,015/014,018,012
KFCST=2233 3322 2344 4332 27DAY-AP=008,013 27DAY-KP=1011 3234 3123 3334
WARNINGS=*SWF
ALERTS=**SWEEP:II=2@2126UTC
!!END-DATA!!

NOTE: The Effective Sunspot Number for 19 OCT 93 was 45.0.
The Full Kp Indices for 19 OCT 93 are: 2o 2o 2- 3- 2o 1+ 2- 1o

Date: Wed, 20 Oct 1993 09:02:37 GMT
From: pacbell.com!amdahl!netcomsv!netcom.com!dbledsoe@network.ucsd.edu
Subject: GAY & QST
To: info-hams@ucsd.edu

brett miller (brett@micromed.com) wrote:

:

: What do Amateur radio and sexual orientation have to do with
: eachother? NOTHING!!!

:

: If you are a Ham, join in with other Hams, regardless of who
: they sleep with, how they brush thier teeth, or what color eyes
: they have!

I agree!

: The accomplishments of Lambda ARC are significant, and are about
: on par for most any Amateur radio club in the country. The
: LARC seems to be no different than any other Amateur club so far
: as their achievements are concerned.
:
: So what's my point? No one is discriminating against LARC for
: their Ham activities. They are free to do all the same things
: Hams do across the country.
:
: I belong to a world-wide Ham association called MARA (Mercury ARA),
: which is comprised mostly of members of the Church of Jesus Christ
: of Latter Day Saints (Mormons). As a religious group, I'm sure we
: could find ways to stir up controversy and contention if we chose
: to. The fact is, as a club, we are Hams first, and members of the
: church second. We do not litigate to be recognized or accepted by
: everyone.
:
: I am sure that I could come up with a religious ad that QST would
: reject. And even if they didn't reject it, it would be viewed by
: other Hams as inappropriate. Why? Because there is no connection
: between religion and Amateur radio! Just as there is no connection
: between Amateur Radio and sexual orientation. The difference is that
: LARC doesn't care about Amateur Radio as much as they care about
: gaining acceptance of their sexual preferences.

Here, I disagree with you! Since you know nothing about LARC, how can you say that we care more about "gaining acceptance" than we do about our hobby? If we are so busy working to gain acceptance, you'd surely have found one of our weekly HF schedules that we conduct on 4 bands since 1985. But you can't ... and the reason is that, like you, we are hams first and gay second. We exist for the same reason MARA does.

: I have nothing against gays, but I disagree with any person or group
: that uses Amateur Radio as a soap box for their special interests,
: especially when those interests are totally unrelated to the hobby.

Where is this soapbox? Have you heard it on the air? No! Because it is inappropriate to use amateur radio and precious spectrum for such a purpose. If MARA wanted to find other members of your church for your club you might consider advertising, just like we currently do in CQ.

Essentially, we want the same thing you do. It's just that you don't like what we want. You want to chat on the air with other members of your church. That's great. We like to chat with others who are gay. There's really no difference, other than our areas of interest. Probably like MARA, we do public service events or conduct DXpeditions (we put 3 new countries on OSCAR-13 in the last 2 years).

It is a bit presumptuous to say that we're using amateur radio in such a fashion -- we're not.

: brett N70LQ

: --

: brett@micromed.com (brett miller)

--

Don Bledsoe, WB6LYI

dbledsoe@netcom.com

Date: 20 Oct 93 23:35:50 GMT

From: yeshua.marcam.com!zip.eecs.umich.edu!nova!prov7672@uunet.uu.net

Subject: kenwood TH78A repeater operation?

To: info-hams@ucsd.edu

Does anyone have a Kenwood TH78A that they can get to work as a repeater?

I followed the instructions, but it does not seem to work.

any hints?

73's

N2WNU

--

J D Provan (prov7672@nova.gmi.edu)

mail for pgp public key

-GMI does not hold the same opinions as me-

Date: 21 Oct 93 02:09:31 GMT

From: paperboy.ids.net!anomaly.sbs.com!kd1hz@uunet.uu.net

Subject: LARC, QST, etc.

To: info-hams@ucsd.edu

alanb@sr.hp.com (Alan Bloom) writes:

> Unless LARC has no interest in actually winning the case and is just
> trying to make a point, in the most public way possible.

I haven't seen any specific proof of discrimination, nor am I looking for any, as the League (god forbid that I should actually DEFEND them) hasn't posted any information one way or the other. I refuse to make a decision as to whether or not the League's action was discriminatory

simply based upon the postings of the plaintiff in the case.

The one thing that I can say for sure is that it appears that LARC is more interested in trying the case through the media rather than trying the case through the courts. Of course, media sensationalism and cries of DISCRIMINATION! on their part do little, if anything, other than convince the no-minds who are willing to accept anything that discrimination did in fact take place.

Of course, if LARC is a "competitor" to the ARRL, then I don't know why the League would have to accept their advertising at all. After all, NBC doesn't routinely accept advertisements for ABC, do they?

Nope, this entire case is beginning to smell more and more like some self-proclaimed "minority" group attempting to use the claim of "discrimination" to enforce its attitudes and beliefs as to how a business' policies should be upon others.

Of course, only time will tell for sure.

MD

--

-- Michael P. Deignan, KD1HZ	-
-- Internet: kd1hz@anomaly.sbs.com	- Providence Firefighters Association:
-- UUCP: ...!uunet!anomaly!kd1hz	- We Find 'Em Hot, And Leave 'Em Wet
-- AT&TNet: 401-273-4669	-

Date: 20 Oct 1993 08:57:40 -0400

From: dog.ee.lbl.gov!agate!howland.reston.ans.net!math.ohio-state.edu!sdd.hp.com!
hpscit.sc.hp.com!hpuerca.atl.hp.com!hpuerca!edh@network.ucsd.edu

Subject: LARC, QST, etc.

To: info-hams@ucsd.edu

In <gregCF5t4H.3zo@netcom.com> greg@netcom.com (Greg Bullough) writes:

>Any explanation about being 'unable to comment' due to ongoing legal
>actions will, in the absence of a gag order from a court of law, be
>taken to mean that the League in general and the Board in particular
>has something to hide from the membership.

>Silence will be taken to mean that the ARRL is unwilling to be held
>accountable to the membership, and thus relinquishes its claim to
>be representative of anyone but its own Board of Directors.

Greg (et. al.) - I'm sure we'd all like to see both sides of this issue discussed in a public forum. However, the above quoted statements are pure poppycock! In dealing with any regulatory matter, state or federal, anything you state in a public forum can be prejudicial to the outcome. This is a classic case of a good time for the ARRL to be quiet until such a time as their dealings with the state are resolved. And in many such cases of regulatory compromise/settlement, the outcome specifically states that both parties must not discuss the details (usually to protect the process more than the parties). BTW, I'm not saying this will be so, just commenting.

As far as the ARRL commenting in an "official" manner on the internet newsgroups, this is also preposterous. The ARRL staffers who have been participating in the rec.radio.amateur.* groups have been doing so as individuals, just like you and I do. In fact, they have been generous to a fault in supplying information, helpful files, and answering questions posted here. I truly hope that they continue to contribute as individuals. But let's not impose on them the burden of speaking for the "organization", and especially the president and/or the board.

Personally, I think this ARRL/LARC thing has gone on long enough in the newsgroups. But if it does continue, at least recognise that we are looking at people opinions and comments.

73 - Ed Humphries N5RCK
Hewlett-Packard NARC Atlanta GA
edh@hpuerca.atl.hp.com
And NO!, I do not speak for HP!

Date: Wed, 20 Oct 1993 11:44:47 GMT
From: dog.ee.lbl.gov!agate!howland.reston.ans.net!paladin.american.edu!
darwin.sura.net!emory!kd4nc!ke4zv!gary@network.ucsd.edu
Subject: Multiband Antennas cont'd
To: info-hams@ucsd.edu

In article <CF3xpu.n3M@hpcvsnz.cv.hp.com> tomb@lsid.hp.com (Tom Bruhns) writes:
>
>(I'm assuming there was a little typo in Gary's equation for B and
>it should be " $B = 10^{(Lm/10)}$ " ...)

Yeah, I don't normally use parens, I'm a strict RPN type of guy. :-)
That was supposed to be a superscript, but this ASCII medium doesn't make that easy.

>As Cecil points out, what the load (antenna??) actually does with
>the power it takes from the line is another matter completely.

Sure. Antenna efficiency and SWR are almost totally unrelated.
SWR tells us about the transmission line terminal impedance
characteristics, but doesn't give us much information about
the efficiency of the radiator. For example, a dummy load gives
a "perfect" SWR, but doesn't radiate worth squat. An SWR meter
doesn't tell you you're putting out a good signal. All it can
tell you is if you have a problem by showing a change from the
value it had when you characterized the antenna system.

Gary

--

Gary Coffman KE4ZV	"If 10% is good enough	gatech!wa4mei!ke4zv!gary
Destructive Testing Systems	for Jesus, it's good	uunet!rsiatl!ke4zv!gary
534 Shannon Way	enough for Uncle Sam."	emory!kd4nc!ke4zv!gary
Lawrenceville, GA 30244	-Ray Stevens	

Date: 21 Oct 93 02:27:00 GMT
From: news-mail-gateway@ucsd.edu
Subject: STS-58 Element Set GSFC-008
To: info-hams@ucsd.edu

SB SAREX @ AMSAT \$STS-58.008
STS-58 Element Set GSFC-008

The following represents that latest Keplerian element set as generated by
Ron Parise, WA4SIR, at the Goddard Space Flight Center.

STS-58

1	22869U	93 65	A	93293.74246772	0.00042993	00000-0	10039-3	0	89
2	22869	39.0199	114.9263	0004996	302.7634	57.2694	15.96059457		351

Satellite: STS-58

Catalog number: 22869

Epoch time: 93293.74246772 (20 OCT 93 17:49:09.21 UTC)

Element set: GSFC-008

Inclination: 39.0199 deg

RA of node: 114.9263 deg Space Shuttle Flight STS-58

Eccentricity: 0.0004996 Keplerian Elements

Arg of perigee: 302.7634 deg

Mean anomaly: 57.2694 deg

Mean motion: 15.96059457 rev/day Semi-major Axis: 6663.4962 Km

Decay rate: 0.43E-03 rev/day*2 Apogee Alt: 288.44 Km

Epoch rev: 35 Perigee Alt: 281.78 Km

NOTE - This element set is based on NORAD element set # 008.
The spacecraft has been propagated to the next ascending
node, and the orbit number has been adjusted to bring it
into agreement with the NASA numbering convention.

Submitted by Frank H. Bauer, KA3HDO for the SAREX Working Group

/EX

Date: Wed, 20 Oct 93 12:26:44 GMT
From: walter!porthos!canis!rcmcc@uunet.uu.net
Subject: W2IOL DX data now at ftp.cs.buffalo
To: info-hams@ucsd.edu

The following two files are now available via ftp
from the ham archives at ftp.cs.buffalo.edu.

dx_w2iol.dat = Prefixes, countries, capitals, lat/long, ... & misc data
in country order (See K2DI DXCC data for prefix order.)
&
dx_w2iol.doc = Notes and misc. info.

They are also available from the ARRL info server (different names).
Slightly older versions are also on the "QRZ!" ham radio CD-ROM.

Comments, suggestions and corrections are welcome.

Ron McConnell, w2iol
rcmcc@columba.bellcore.com

Date: Wed, 20 Oct 1993 12:26:21 GMT
From: olivea!apple.com!netcomsv!netcom.com!greg@uunet.uu.net
To: info-hams@ucsd.edu

References <9310181449.AA01165@opus.xyplex.com>, <gregCF5t4H.3zo@netcom.com>,
<19930ct20.020335.10905@mnemosyne.cs.du.edu>
Subject : Re: LARC, QST, etc.

In article <19930ct20.020335.10905@mnemosyne.cs.du.edu> jmaynard@nyx.cs.du.edu
(Jay Maynard) writes:
>I would be greatly surprised if the League were to produce the statement with

>anything approaching the detail you are asking for. It is a standard
>suggestion from lawyers to those they represent that no public statements be
>made about anything substantially related to a case under litigation. This is
>simply good sense: anything you say can and will be used against you.

On the other hand, if one speaks the truth, because one has nothing to hide,
then what one says is simply a fact which will appear later in court, no?
And that which appears in court can be 'used against you,' can it not?

Then again, if what the League has to say can be used against it, it is
apparent that they have engaged in something for which they have some
liability, or at least they believe so. As a service organization, they
then ought to own up to it, make reparations, apologize to the membership,
and the responsible officials ought to step down. Since elections are
coming up, now is a good time for them to do so with minimal expense
and disruption.

>The League may well have nothing to hide, and yet not choose to comment on the
>suit for fear of prejudicing their case. I am surprised that the LARC is not
>observing a similar policy.

Public position statements can be cleared through attorneys.

>If the League doesn't comment on the advice of their attorneys, it would be
>highly unfair to hold that against them.

'Advice of their attorneys' does not absolve anyone of responsibility. It
does not absolve the ARRL Board of accountability to the membership at
large. And the Board can, in turn, advise its attorneys of its responsibility
to the membership, enlisting their aid in drafting a statement of fact which
will not jeopardize the 'case.'

Not commenting on 'advice of counsel' is often sensible, especially when the
party is accountable to no one but himself, and is refusing to satisfy a
curious press. It is equally often the refuge of scoundrels who are trying
to hide their mis-behavior, and of inept or dishonest officials who are
attempting to delay the time when they will be called to account for
their actions.

Greg

Date: 20 Oct 1993 14:08:57 -0700
From: swrinde!cs.utexas.edu!asuvax!chnews!ornews.intel.com!ornews.intel.com!not-
for-mail@network.ucsd.edu
To: info-hams@ucsd.edu

References <28t6ne\$61b@news.ysu.edu>, <randall.750895570@infmtx>,
<19930ct19.165005.5303@webo.dg.com>not-for
Subject : Re: converting ssb cb to 10 meter

In article <19930ct19.165005.5303@webo.dg.com> shea@daytona.webo.dg.com writes:
>In article <randall.750895570@infmtx>, randall@informix.com (Randall Rhea)
>writes:

>|> There is an ad in QST and other ham magazines that says "CB TO 10 METERS"
>|> from a guy in Arizona. He sells manuals on how to convert each
>|> of the popular models of CBs. He also has lists of which CBs cannot

>Gee, if your talking about CBC International, I was not nearly as
>impressed!
>After sending \$5.00 (I think it was \$5) and waiting a few weeks, I
>received the requested info on converting a specific radio. The info
>enclosed indicated the ONLY way to convert this radio was to buy his crystal
>switcher for \$39.95, or better yet the expanded crystal switcher for \$59.95.

Some 12 years ago I was working in a radio shop which had about 100 CB's stuffed under the bench. Having seen a conversion ad in some ham magazine, I decided to try it. I selected a grey Lafayette SSB CB set and fixed it. I probably phoned the outfit and they sent me their kit. I was pretty parsimonious in those days so I don't think it cost me much. Since I knew that the ONLY way to easily convert this type of CB was a crystal set change, I wasn't surprised to find the kit contained about half a dozen crystals. There was also an inductor to expand the varactor diode's range and a rotary switch to add more crystal positions that was to be installed in place of the squelch control. The instructions included info on how to change the circuit so that the RIT controlled transmit shifting as well as receive. You could get almost 100khz of RIT shift out of the varactor diode after the inductor was installed. This did not provide overlap between the crystal switch changes however so some band area was missed. I changed the RIT pot to a 10 turn due to the sensitivity of it. The rig covered from about 28.49 up to just over 29.0 Mhz. This was fine in those days when it was desired by the powers-that-be to have half a Mhz of the ten meter band for Morris only. I regularly talked to Australia and other Pacific countries on it while driving around with a Big Stick antenna on the rear bumper. The Big Stick with its copper wire wound on fiberglass worked a lot better than the 8 foot stainless steel whip I tried later. I tried using a truck driver bi-linear amp on it and that helped but it was more fun to work em' barefoot. When the band was changed to allow SSB down to 28.3 Mhz everybody moved down there so my rig was not useful anymore. I swapped it at a hamfest for a pair of 225-325 Mhz portable transceivers with quick heat filaments that lit up when you pressed the mic button. But thats another story. I saw my CB conversion at the next

two major swap meets and I haven't seen it since. No telling who's got it now ;-)

--

zardo@ornews.intel.com WA7LDV

End of Info-Hams Digest V93 #1249
